ENT BOOK

imensions			Contents	Refe... to l... Measu...
h	Breadth 5	Depth 6	7	8

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427485

SBR No: 03/20-21

rial No. 5th and final Bill From 07/05/2020 To

me of Work

me of Contractor of nature of Agency

e of commencement of work Date of Recording: 06/01/2020

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of work: Improvements to Roads and Drains at Singapura and Surrounding areas in ward No.11 Kuvempunagara.						
	Estd cost Rs: 99.00 lakhs.						
	Sub No: 011-20-000003						
	Head of A/C: P 3727						
	Work Order No: BBMP/EE/BTP/WO/1111/2019-20 Dated: 08/11/2019						
	Name of Agency: EE. KRIDL Blore						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No 1	Earthworks excavation by manual means for roads and canal similar works in ordinary soil excavated surface levelled and dressed neatly disposed earth to be levelled neatly after breaking of clods complete as per specification complete as per the direction of the Engineer-in-charge						
	Early wise in E MB P.No					= 1215.58 cum	
						@ 207.60 cum = 252354.00	
Item No 2	Removing and refixing Stone slabs of Drain and pointing in cm (1:3) complete as per the directions of the Engineer in charge of the work						

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
manual means for transy and and similar level surface levelled and finished earth to be levelled neatly complete as per specification) of the Engineer-in-charge				
E MB P. No - 1215.58 sqm @ 307.60/ cum = 95235.00				
Slabs of Drain and printing the directions of the Engineer of the work				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427486

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Gundy wise E MB P. No = 3402.40 Sqm @ 111.30/Sqm =					=	378687.00
	8) Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc. and complete as per the directions						
	Gundy wise E MB P. No = 1213.47 Sqm @ 772.00/Sqm =						936995.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No 4)	construction of Rolled cement concrete mix 1:4:8 of cement @ 150 kgs with 25 mm and above size graded granite metal course aggregate at 0.85 cum and fine aggregate @ 0.53 base course with coarse and fine aggregate to conform to IS:383 aggregate cement ratio 12:1 and minimum cement concrete content of 150 kgs/cum, aggregate grades: as to be as per table 6 & 7 after blending mixing batching plant at optimum moisture as per the direction of the in charge of work						
	Quality work as per P.No = 60.58 cum						
	@ 5408.12/cum =						327611 327682

EMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
...t concrete min 1:4:8 ...pc cement ...mm size gravel granite metal ...) and fine aggregate @ 0.57 ...nel fine aggregate to conform ...ment ratio 12:1 and minimum ...kg/cum, aggregate grading ...fter breaking mixing batching ...e as per the direction of				
...MB P.MD = 60.58 cum @ 5408.12/cum =				327611.8 32760

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427487

...rial No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...te of commencement of work .....

Date	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	5) providing and constructing load bearing wall with solid concrete blocks having blocks density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185. including cost all materials labours charges complete as per specification and as per the directions of the Engineer in charge of the work						
	Quantity as per MB P.MD				= 1766.94 sqm		
	@ 1019.72/sqm				=	1801780.57	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO(b) Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 220 kgs. with 40mm nmd down size graded granite metal coarse aggregate @ 0.875 cum and fine aggregate @ 0.53 cum machine mixed, concrete laid in layers not exceeding 15cm thick well compacted. in foundation, including cost of all materials, machinery curing complete as per specification Monthly wise EMB P. NO = 53.85 sqm @ 5744.32 1sqm = 309475.00 309493.00						

Material No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
	2
7)	Providing and laying OPC cement @ 220 Coarse aggregate machine mixed exceeding 15cms the Engineer in

MENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
tion) plain cement concrete of				
e 220 kgs. with 40mm and				
ce metal coarse aggregates				
reg ally @ 0.53 cum machine				
yers not exceeding 15cm				
vibration, including cost of all				
complete as per specification				
E m B P. NO = 53 85 39mm				
@ 57 47.32 1 5mm =			30 94 75.00	
			309493.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427488

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
7)	Providing and laying in Position Plain cement concrete of mix 1:3:6 with 1 pc cement @ 220 kgs. with 40mm and above size graded granite metal coarse aggregate @ 0.89 cum and fine aggregate @ 0.465 cum machine mixed machine mixed concrete laid in layers not exceeding 15cms thick, well compacted and as per the directions of the Engineer-in-charge of the work						
	Quantity vide E m B = 15.64 cum						
	@ 5505.64 / cum					86109=00	
						= 86119.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No (8) Providing and laying in position reinforced cement concrete of Design mix M20 with opc cement @ 380 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.430 cum machine mixed concrete laid in layers not exceeding 150mms thick, vibrated for all works in foundation for footing, pedestals, retaining walls, return walls, wing (any thickness) including cost of all materials, labours, complete as per specifications						
	Duty wise in EMB = 30.66 cum						
	@ 7070.25/cum =					216751.00	
						216772.00	

rial No. .....
me of Work .....
me of Contractor of nature of Agency
te of commencement of work .....

Date	Full description, etc, of work
	2
9	Providing TMT St... bending, hooking required, tying ... numbers wher... wastage shall ... labour, ... of ...

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
...n reinforced cement concrete of				
...ement @ 300 kgs with 20mm and				
...e metal coarse aggregates @ 0.64				
...0.430 cum machine mixed concrete				
...ng 15cms thick, vibrated for all				
...footing, pedestals, retaining				
...(any thickness) including cost				
...complete as per specifications				
...in EMB = 30.66 cum				
...@ 7070.20/cum =			216751.00	
			216772.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427483

...ial No. .....
...me of Work ..... From..... To.....
...me of Contractor of nature of Agency .....
...te of commencement of work .....

...ate	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
9)	providing TMT steel reinforced for RCC work including straight cutting bending, hooking, placing in position, lapping and/or welding where required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (lap, hooks and wastage shall not be measured and paid) cost of all materials labour, use of machinery complete as per specifications.						
	Quality work EMB = 1.814 tonne						
	@ 72326.98/tonne					= 123082.00	
						= 133170.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measu.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
Item No (10)	precast slab 900mm and above size for slab (including steel reinforcement) including centring and shuttering where mixed concrete laid in layers not exceeding 15 cm thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications.						
	Empty wire ε MB P.NO 1197.06 1196.06 sqm						
	@ 2337.00 sqm =					2797536.00 2795194.80	
Item No (11)	providing and firing the cast solid cement concrete lamb stone made out of cc 1:2:4 with top and bottom width						

SUREMENT BOOK

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No 12	painting two coats after filling the surface with synthetic enamel paint in approved shade on new plastered/concrete surface with materials, labour complete as per specifications. As per the direction of Engineer incharge of the work.						
	Quantity wise EMB =					409.43 Sqmm 409.60	
	@ 84.80/Sqmm =					34745.00 34784.00	
	Total Amount					= 8363586 RD 8367150.00	

CERTIFICATE
certified the
Executive
Byatarayanapura
KRIDL, BBMP,

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8
the surface with synthetic on new plastered concrete r complete as per on of Engineer incharge			
=	409.73 sqm 409.60		
sqm	=	3477.00	
	=	836586 Rs 836150.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427491

erial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

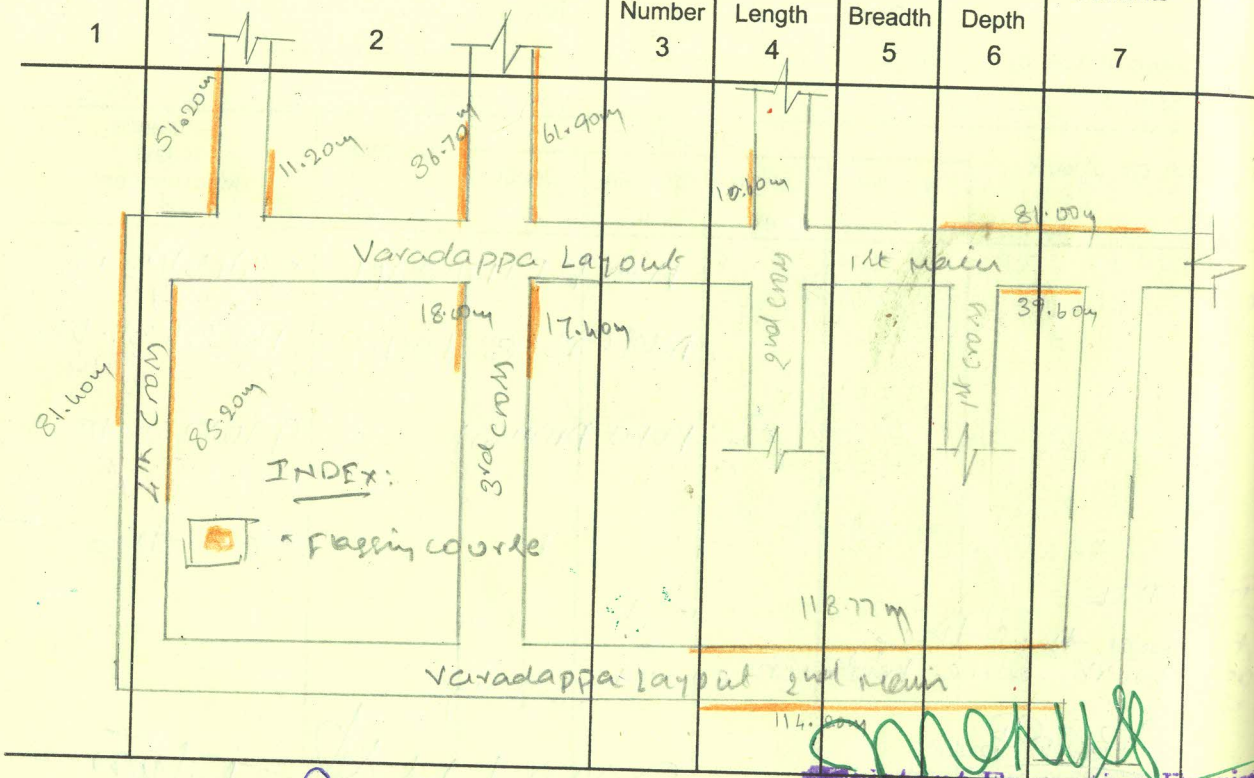
Date	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				Add KRIDL Hy.			33457.73 Rs 33446.00
				Add GSTE 12%	=		100836.00 100333.00
			=	Total Amount	=		9701760.00 9698945.00
	CERTIFICATE certified that the above work done satisfactory						

Asst. Executive Engineer,
Byatarayanapura Sub-Division
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6	7	8
10.60m	81.00m			
1st main				
2nd cross	39.60m			
1st cross				
118.77m				
typical 2nd main				
114.00m				

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

M. A. R. 57 (Rule 116)
Measurement Book

No. B

erial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

Date	Full description, etc, of work	Dimensions: Number	Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	1st and Final						
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ Q. 3727 ರಡಿ, ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 9698900=00 ಗಳನ್ನು ಪಾಸು ಮಾಡಿಸಿ. ಇದರಲ್ಲಿ ರೂ. 997280 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ. 8701620=00 ಗಳನ್ನು RT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿರೆ						Bill Amt.: 9698900=00
	ವಿಷಯ ನಿರ್ವಾಹಕರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು						IT — 193978=00
	ಲೆಕ್ಕಾಧೀಕ್ಷಕರು 14/05						LC — 96989=00
	ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು 14/05 ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು						WC — 9698=00
							GST — 86598=00
							SGST — 86598=00
							Royalty 27124=00
							F.SD — 484945=00
							Fine — 1350=00
							T-D — 997280=00
							Net 8701620=00